17(1), SOV/20-125-6-54/61 AUTHORS: Stoyev, K. D., Mamarov, P. T., Benchev, I. B. Influence of Fertilizers on the Composition of the Ascending TITLE: Sap Stream in the Vine (Vliyaniye udobreniy na sostav voskhodyashchego toka vinogradnoy lozy) PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 6, pp 1367-1370 (USSR) ABSTRACT: According to the data presented in scientific publications, there is a difference in the uptake by day and the uptake by night of mineral substances by the plant (Refs 1,2): There are certain periods within which there is a rhythm of this uptake (Ref 4). Said difference also concerns the roots during vegetation. It is connected with the plant's passing through its growth and development stages (Refs 6,7). The authors tried to determine the influence of fertilizers on the sugar and amino acid contents of the liquid exudated on the "weeping" of the vine. For this purpose the saps were collected of N-, P-, and K-fertilized as well as of unfertilized vines (Zarchin variety, grafted upon Montikola). The saps, in a five-fold Card 1/4 vacuum concentration, were chromatographed (Refs 8,9), and the

BULGARIA/Chemical Technology - Fermentation Industry.

H-27

Abs Jour :

: Ref Zhur - Khimiya, No 24, 1958, 83263

proline were found, and when the introduction was done after treatment, alanine and proline were found as well as the newly formed -aminobutyric, tyrosine, valine and isolcucine. Upon treatment of plum and apple vodka, there were formed more cystine, lysine, arginine, -aminobutyric acid, tyrosine, valine. The data concerning the change in composition of volatile impurities (higher alcohols, aldehydes, acetals, ethers, volatile acids) are contradictory. The amount of furfurol is increased upon treatment.

Card 2/2

BULGARIA/Chemical Technology - Fermentation Industry.

H-27

Abs Jour

: Ref Zhur - Khimiya, No 24, 1958, 83263

Author

Inst

Dekov, L., Benchev, I.

Title

The Improvement in Quality of Grape and Plum Vodka.

Orig Pub

: Lozarstvo i vinarstvo, 1958, 7, No 2, 43-46.

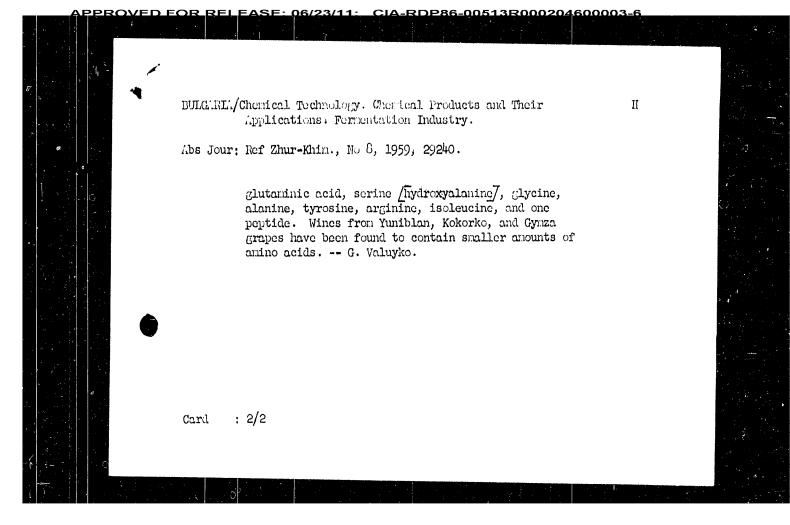
Abstract

To improve the quality of grape and fruit vodka, their thermal treatment is suggested in the presence of 2 to 3 grams/liter (with a sugar content of 50%) of a grape or fruit concentrate with the introduction of $\rm H_2O_2$ (14 milliliters of a 12% H₂O₂ solution per 100 liters) as well as without it. The duration of the treatment at 55-60°C. is from 4-5 months, and at 65-70°C. up to 89 hours. A change in the amino acid composition by the thermal treatment has been noted. In the case when a grape concentrate has been introduced prior to treatment, the acids aspartic and glutamic, serine, glycine, alanine, histidine, leucine and

Card 1/2

COUNTRY H CATEGORY ABS. JOUR. : RZMChim., No 17, 1959, No. 62480 AUTHOR INSTITUTE TITLE ORIG. PUB. ABSTRACT : treatment also improved the bouquet. Based on laboxatory tests and on the experiments, two methods Con'd of improving qualities of plum whiskeys are recommended for the adoption by the industry: 1) additional distillation with the addition of H202, copner shavings, tanning substances derived from oak, with subsequent thermal treatment and 2) thermal treatment of whiskey with the addition of grave juice concentrate (without the redistillation. -- I. Skurkhin. 2/2 Card:

COUNTRY : BULGARIA H CATEGORY : Chemical Technology. Chemical Products and Their Applications. Permentation Industry. ABS. JOUR. : RZhKhim., No 17, 1959, No. 62480 AUTHOR : Dekov, L; Benchev, I.; Balev, M.; Koyevski, N.; * INSTITUTE TIME : Improvement of Plum Whiskeys in the Troyanskiy Rayon (Bulgaria). : Nauchni tr. M-vo zemed i gozhite. Ser. raste-ORIG. PUB. niyevudstvo, 1958, 3, No 5, 41-46 : For the quality improvement of plum whiskeys, ABSTRACT their supplementary redistillation was investigated with the addition (in different combinations) of: grape juice concentrate of 5 cm3 per 1L, of 0.5 cm3 of 30% H202 per 1L, and also thermal treatment at 700 for approx. 4 days. A sample that was subjected to thermal treatment with the addition of H2O2 and grape juice concentrate had the best bouquet qualities. Addition of H2O2 and copper shavings with the subsequent thermal *Dimov, G. 1/2 Card: H - 111



BULGARIA/Chemical Technology. Chemical Products and Their Applications. Fermentation Industry. Abs Jour: Ref Zhur-Khin., No 8, 1959, 29240. nuthor : Dekov, L. and Benchev, I. B.
Inst : Ministry of Agriculture and Forests. : Biochemical and Technological Evaluation of Vratsa Title Muscat Vines Grown in the Pleven Region. Orig Pub: Hauchni Trudy M-vo Zomled 1 Gorite, Ser Rasteniyevudstvo, 3, No 4, 43-48 (1958) in Bulgarian with English and Russian surraries) Abstract: Vratsa muscat (VM) gives excellent dry and dessert wines, both straight and in blends with Dinyat and Yuniblan wines. The dessert wines made from VM have been analyzed by paper chromatography and found to contain ten amino acids: cysteine, aspartic acid, : 1/2 Card 270

BENCHEY, IV.B

BULGARIA/Chemical Technology - Chemical Products and Their

I-12

Application . Fermentation Industry.

Abs Jour

: Ref Zhur - Khimiya, No 1, 1958, 2892

Author

Dekov, L., Benchev, Iv.

Inst

Title

Amelioration of Brandy Distallates by Means of Oxidation-

Reduction Processes.

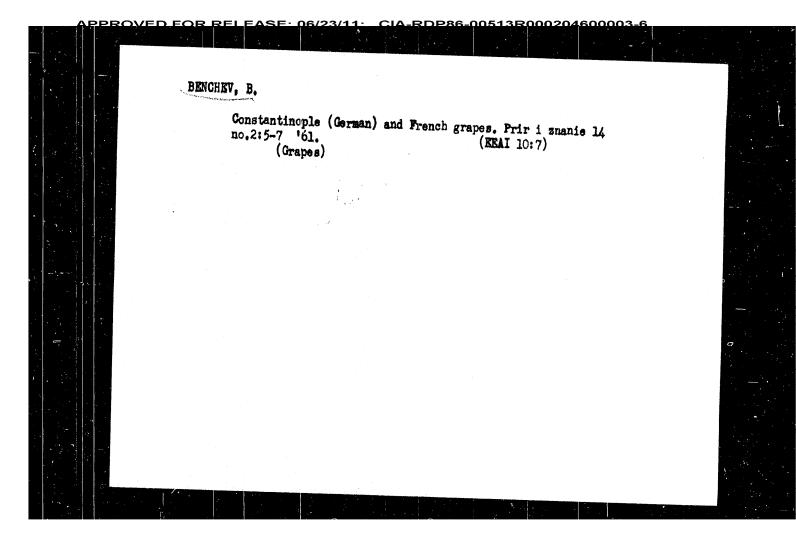
Orig Pub

: Lozarstvo i vinarstvo, 1957, 6, No 1, 30-34

Abstract

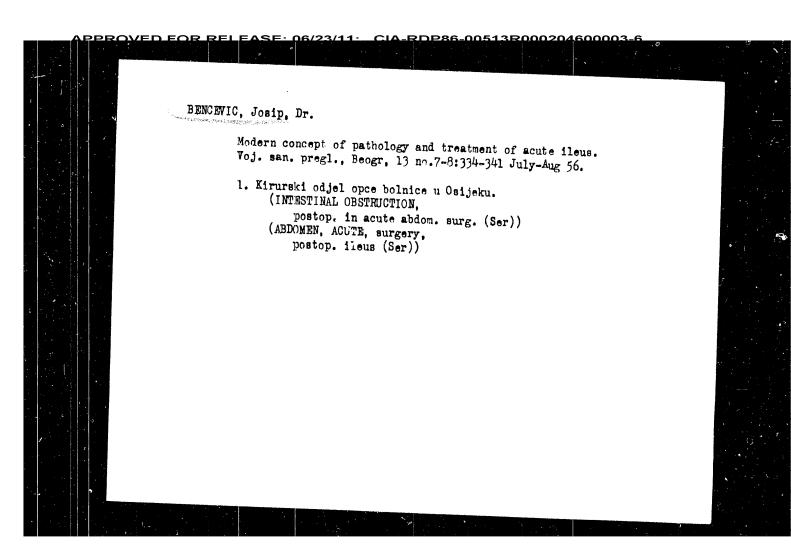
: Laboratory and production scale experiments were carried out on distillation of brandy alcohol from wine containing added H202 (2.5 ml of 30% solution per 100 liters of wine). The experimentally produced alcohol was found to contain twice as much aldehydes as the controls. Degustation revealed an improvement in the quality of the alcohol treated with ${\rm H_2O_2}$, in comparison with the untreated alcohol. Experiments were also undertaken on treatment of the brandy distillates with H₂O₂ (25-50 ml of 30% solution per 100

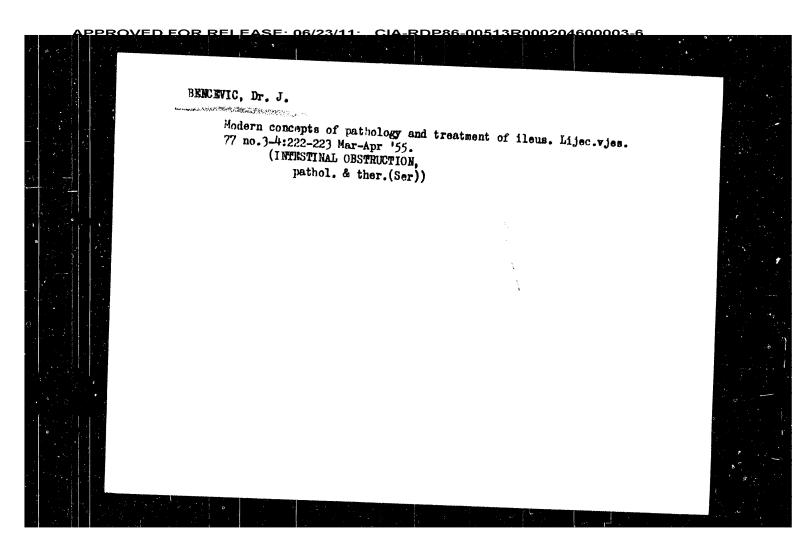
card 1/2

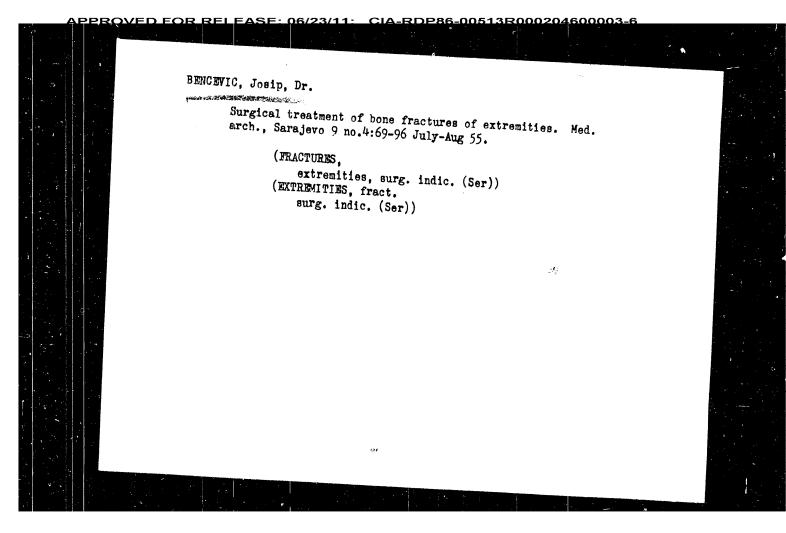


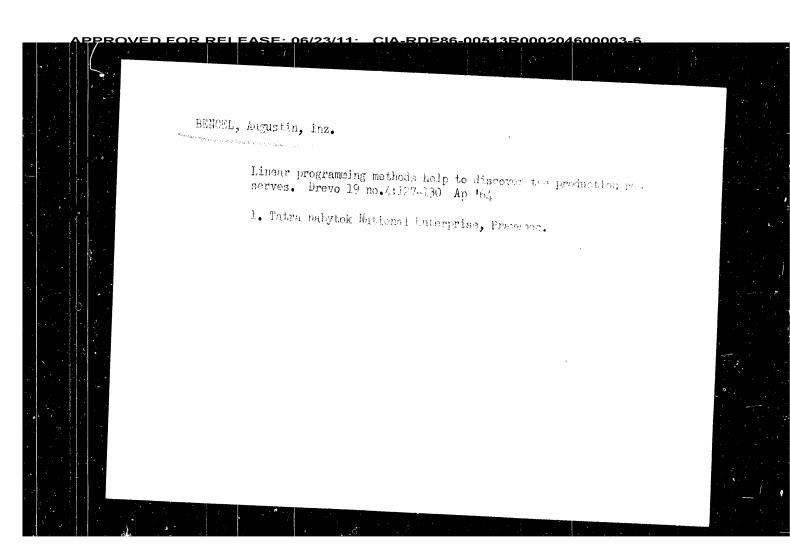
COUNTRY : Bulgaria H-17 ABS. JOUR. : RZKhim., No. 16 1959, No. 58115	
CATEGORY : H-17 ABS. JOUR. : RZKhim., No. 16 1959, No. 58115	
58115	
ROTHOR IMST. FITLE: Not given The Identification of the Alkaloids Papaverine, Codeine, Dionine, and of Their Salts in Medicinal Preparations by Paper Chromatography Farmatsiya (Bulgeria), 8, No 2, 29-32 (1958) ABSTRACT Optimum conditions for the identification of the above-indicated alkaloids have been established. From authors' summary CARD: 1/1	

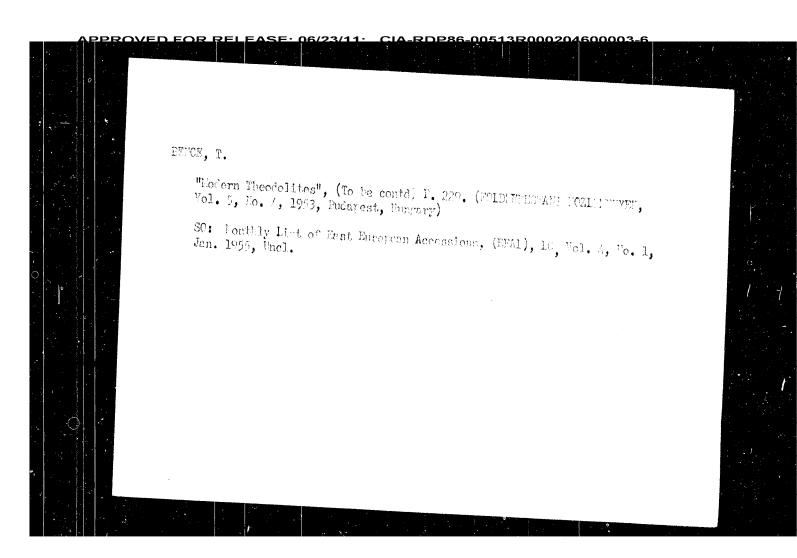
RADU, A., conf. ing.; BENCHE, V., ing. Thermodynamic study on the air feeding of a pneumatic installation. Ind. lemnului 15 no.5:173-178 My 64

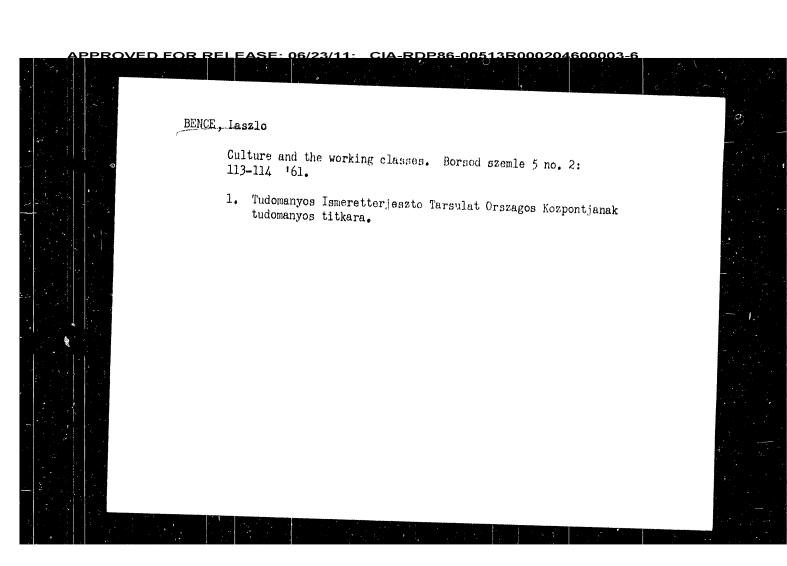












Bence, E.

INGUEL, I., GOTH, E., ADER, V., INNO., E.

Now method in diagnosis of hypophyseal and adrenocortical insufficiency. Orv. hetil. 91:26, 25 June 50. p. 305-7

1. Attila Josef Budapest Metropolitan General Mospital.

CIMI. 19, 5, Nov., 1950

BENGAT, M.

New relations between machine-tractor stations and collective farms during the period of handing over the machines to the collective farms. p. 271

Praha, PECHANICACE ZE.EDELSIVI. Vol. 9, no. 12, Dec. 1959.
Praha, Czechoslovekia

Monthly list of East European Accession (EEAI) IC Vol. 9, no. 2

Feb. 1960. Uncl.

APPROVED FOR R	RELEASE: 06/23		286-00513R000		
	Sec.	. 9			s.
	t i de fatolle				
•	est Dengladi. (3)	ntime to Dankstav	(7/64)/A/63) Au	75 EX-200	A C
	in a series de la companya de la co La companya de la co		La di Gesares	MES WARE (2011)	
	losta i Bos 12 196 PAR la caprografic				
The state of the s				este de Missalina	
	inel stalls of biss for resease english formal charts segre				0 7,
Test Test Test Test Test Test Test Test	ati drema B.oven dan Sloven Lane			eo seo El aves	
SubMarrian (T. C.	tour las	Surrement 1941	
Gurt 1/4 4/2			(IDEL 013	小 鄉	

APPROVED FOR REL	EASE: 06/23/11:	CIA-RDP86-	00513R000204	600003-6	
Acceptance of the second					
			Control of the control		****
					<u> </u>
	B ASSALVE				
	(Chore cha literatur Con Chan, Blingar, Mass				
Policy Superior	OTIGINES SEEDING	Marine (C			
			igna (cóm		
		(gyii ii golles e ligal	J eg a.	Para la companya da l	
				7.4	
	N. Carlotte				
			i C		
			$\mathcal{L}_{\mathcal{L}}}}}}}}}}$		
					i n the second

- travesacringan				
		No. of the second secon		Contract of the Contract of th
			Section in the second	
,				
2	e _T Noosexamily e			÷.
			1// (2.0.)	
	\$10 AVIIIO (18 SE 1016.5)			
		chi to some botanical s		
. =				
	Totaline kan			
		Corre estenelya del		
7				
		o o sepuero della Vincerca di sonichio i Vincerca di sonichio i Vincerca di sonichio di sonichio		
\mathbb{R}^{-1}		Principal Communication of the		
45		Arkideleki inifile Riabida 10 privale		
.				
	Carl LIZ			
			6	

CZECHOSLOVAKIA

Frantisek BENCAT [Affiliation not stated; probably director of facility]

"Activity and Prospects of the Miynany Arborotum of the SAV [Stovenska akademia vied, Slovak Academy of Sciences].)"

Bratislava, Biologia, Vol 18, No 1, 1963; pp 85-92.

Abstract: Historical, organizational and scientific review of the arborotum. Founded in 1892 and administratively integrated into the SAV in 1953, it now has a staff of 47; between 1934 and 1962, 121 articles were published by staff; 1350 species of plants are grown; much international exchange activity; four divisions: introduction, physiology, reproduction, and genetics. Research and other projects in each of these are described. Seven tables.

BENCAT, F.

"Foundation of the Dendrologic Department of the Cz-choslovak Botanical Society"

Biologia. Bratislava, Czechoslovakia. Vol. 14, no. 2, 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 3, No. 7, July 59, Unclas

BENCAT, F. "A Sketch From the Arboretum of Mlynany." p. 128 (Krasy Slovenska, Vol. 34, No. 4, Apr. 1957, Bretislava, Czechoslavakie) GEOGRAPHY & GEOLOGY Periodicals Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 11, Nov. 1958

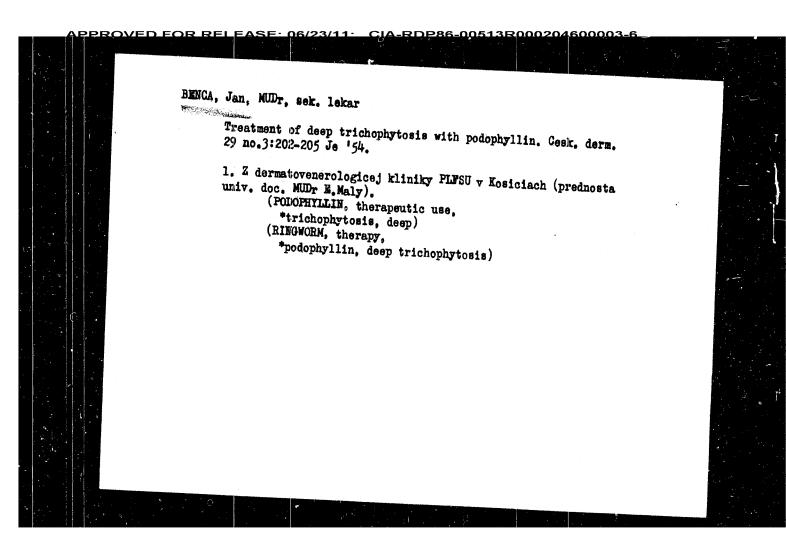
BENCAT, FRANTISEK Arboretum Mlynany, vzdyzeleny park. (Vyd. 1.) Martin, Osveta, 1956, 70 p. (Mlynany Arboretum, the evergreen park. 1st ed. English, Franch, and Russian summaries. maps, bibl.) SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 8, Aug 1957. Uncl. EENCAT, F.

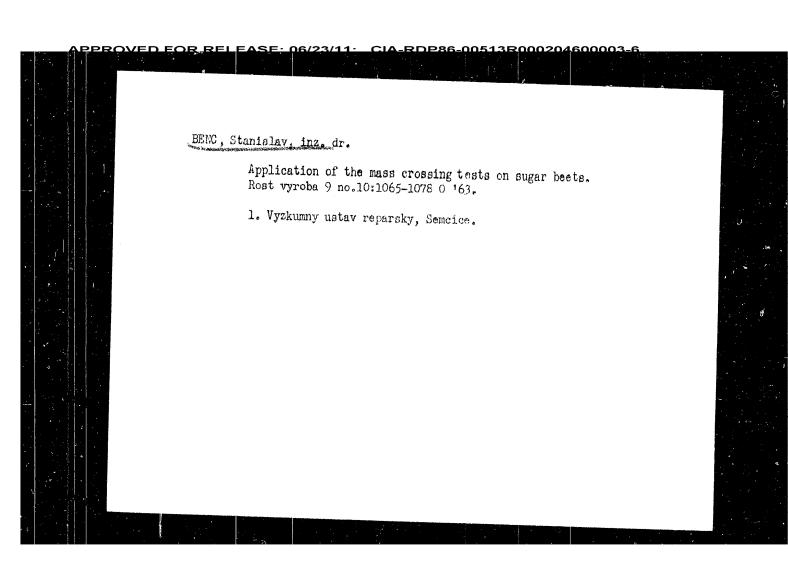
SCIENCE

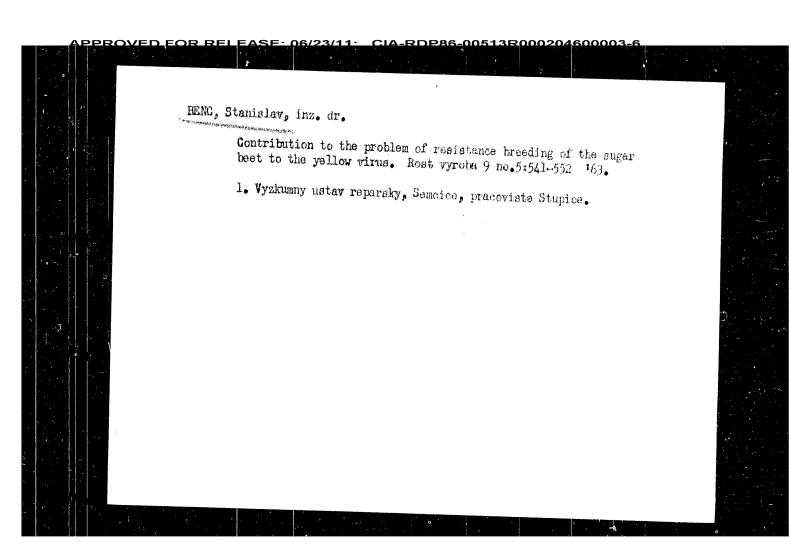
Periodicals: BIOLOGIA Vol. 10, no. 6, 1955

EENCAT, F. The edible chestnut (Castanea sativa Mill) in Slovakia. p. 764

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 5, Nay 1959, Unclass.







Country: Czechosiowakia

CATEGORY: RZRiol., Ro. 19 1959, No. 27172

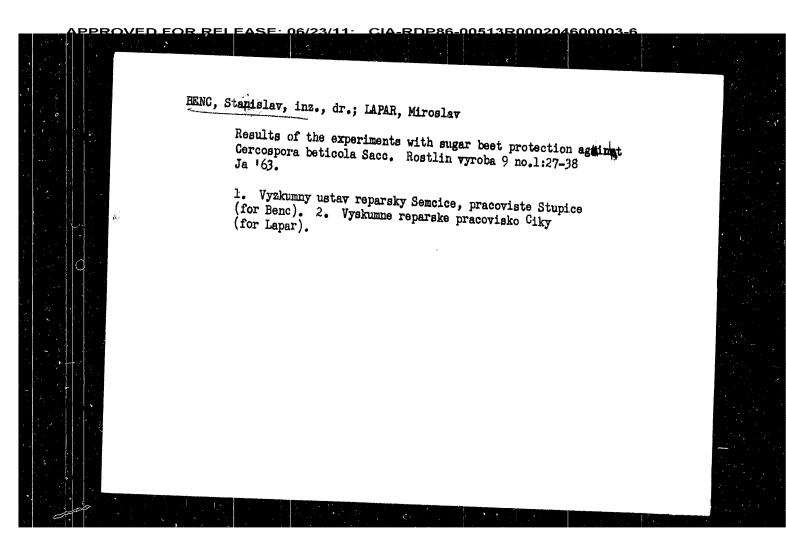
AUTHOR: Some, No. 19 1959, No. 27172

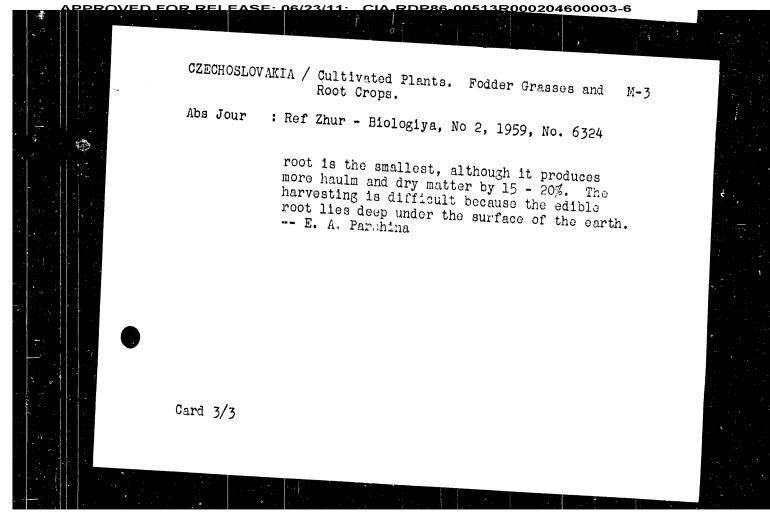
AUTHOR: Dependence of Yields of Sugar Beets on Variety.

ORIG. PUB.: Za vysokou urodu, 1557, 5, No ll, 244-245

ABBERACT: An analysis of climatic and soil factors, on the yield of roots, the sugar content, and yield of Sugar yer unit area.

CARD: //





CZECHOSLOVAKIA / Cultivated Plants. Fodder Grasses and M-3

3R000204600003-6

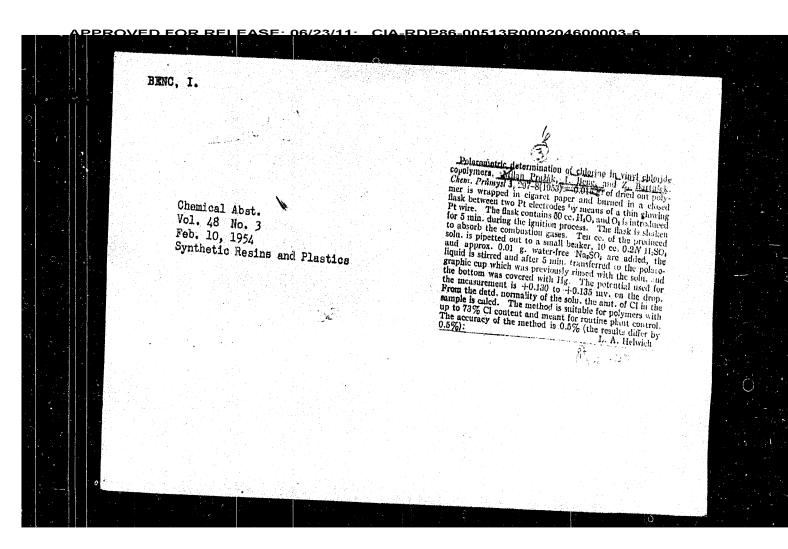
Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6324

Yellow Valets. The two of the last named varieties exceed the half saccharine one by 10 - 20% in weight. Coarse mangel-wurzel grows almost at the surface of the earth; this circumstance facilitates the harvesting of the crop, but it deteriorates in storage. The yielding capacity of semi-saccharine mangel-wurzel is less than that of the coarse varieties. It contains more nutrition substances and produces more haulm. It requires a deeper soil cultivation. Red semi-saccharine mangel-wurzel contains the largest amount of starch. Saccharine mangel-wurzel has the greatest content of starch in comparison with other varieties, but the weight of its edible

Card 2/3

CZECHOSLOVAKIA / Cultivated Plants. Fodder Grasses and M-3 Root Crops. Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6324 Author : Benc, Stanislav Inst : Semchitsa Scient.-Research Institute Title : The Selection of Mangel-Wurzel Varieties Orig Pub : Za vysokom urodu, 1957, 5, No 4, 77-78 Abstract : Semchitsa (Czechoslovakia) Scientific Research Institute divides mangel-wurzel according to its productivity and starch content in 3 basic groups: coarse, semi-saccharine and saccharine. The coarse variety occupies by its yield of the fodder mass the first place, but it takes the last place by its starch content. Three [sic!] coarse mangel-wurzel varieties are cultivated: Kostelets, Barres, Yellow Unicum and Buchan Card 1/3

BENC, 3. BERC, J.: SVORC, J. "Virus diseases affecting sugar beets. I. Contribution to partial physiological determination of the morphologic symptoms of mosaic disease." Sbornik. Annals. Rada B., Praha, Vol 27, No 1, Feb 1954, p. 107 50: Eastern European Accessions List, Vol 3, No 10, Oct 1954. Lib. of Congress

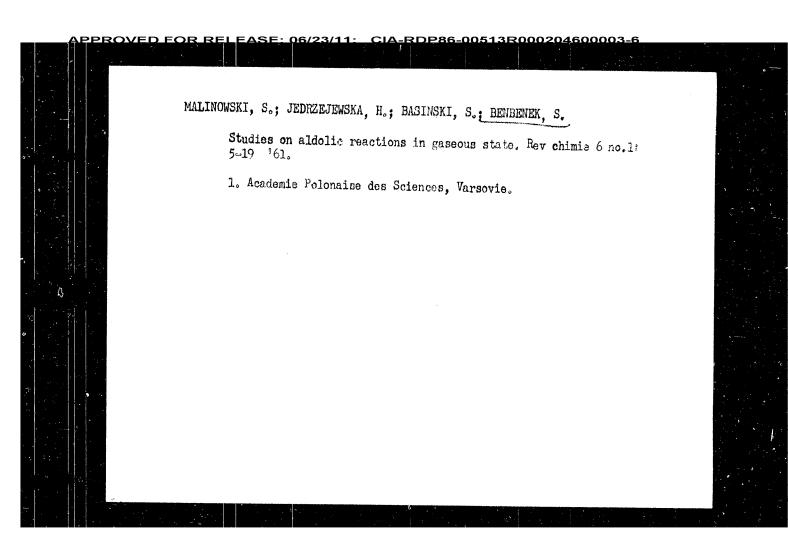


DAHLIG, Wlodzimierz; BENBENEK, Stanislaw; DECZKOWSKI, Bogdan

Polymerization of A-olefins in the presence of solid catalysts. An explanation of the influence of oxygen upon the polymerization of ethylene in the presence of the oxide-chromic catalyst. Tworzywa wielkoozast 6 no.9:283-284 S'61.

1. Katedra Technologii Organicznej I, Politechnika, Warszawa.

(Polymers and polymerization)



PROVED FOR REL FASE: 06/23/11: CIA-RDP86-00513R000204600003-6

25994 Polymerization of
Polymerization of
-olefines in the presence of ...

P/014/60/039/003/003/005 A221/A126

alumina) on the polymerization process was quantitatively assessed. For the experiment ethylene containing only 0.001% of oxygen was used. As solvent a petroleum ether of 50 - 73°C boiling range was used. The activated catalyst carrier, composed of 90% SiO₂ and 10% Al₂O₃, was saturated with 1.6 N chromic acid solution, dried at 120°C, and 3 batches of it were activated in air, nitrogen and hydrogen respectively. The process of polymerization was carried out for 3.5 h in 750 ml autoclave at 20 atm pressure and 133 - 135°C temperature. Another series of experiments was carried out with ethylene, to which oxygen was added in proportions of 0.001, 0.02 and 0.083%. It was found that increased oxygen content adversely affects the efficiency of the process and the molecular weight of the pelymer obtained. There are 3 figures, 1 photograph, 2 tables and 7 references: 1 Soviet-bloc and 6 non-Soviet-bloc. The references to the English-language publications read as follows: (Ref. 3: Pat. amer. 2692257; 2692258; (1954)); (Ref. 6: A. Clark, J. Hogan, L. Banks, W. Lanning, Ind. Eng. Chem., 48, 1152 (1956).

ASSOCIATION:

Zakład Technologii Organicznej I, Politechnika Warszawska (Warsaw Polytechnic, First Organic Technology Section)

SUBMITTED:

November 20, 1959

Card 2/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600003-6

15.8610

2209

25994

P/014/60/039/003/003/005 A221/A126

AUTHORS:

Dahlig, Włodzimierz, Benbenek, Stanisław, Deczkowski, Bogdan

TITLE:

Polymerization of \propto -olefines in the presence of solid catalysts. I. Influence of oxygen on the polymerization in presence of chromium catalyst

PERIODICAL:

Przemysł Chemiczny, v. 39, no. 3, 1960, 167 - 169

TEXT: This is the first article of a series. At the Zakład Technologii Organicznej I, Politechniki Warszawskiej (Warsaw Polytechnic, First Organic Technology Section), research is being carried out into the synthesis of organo-metallic compounds, especially alkyl aluminum derivatives as catalyst components for low-pressure polymerization of ethylene. Apart from this, polymerization of ethylene in neutral solvents in presence of partly reduced CrO₃ and higher pressures is being investigated. The basic condition for a successful synthesis is the purity of ethylene. The most detrimental impurities are the molecular oxygen, water, carbon mono-and dioxide organic compounds of oxygen and sulphur, and acetylene. As the first step of investigation, the harmful influence of molecular oxygen in presence of partly reduced chromium trioxide CrO₃ (deposited on silica-

Card 1/2

Country: POLAND
Category: Organic Charlstry. Organic Synthesis

Abs Jour: RZhKhim., No 17, 1959, No. 60759

per 1 liter of catalyst per hour, at a mixture flow rate of 73 ml/hr. The maximum yield of 7 -cthyl-vinylmethyllatone (22.5%) derived from 1000 and HII (to homogenese the mixture Cligoll is added) is obtained on the silican get at 2600, leading not > 26 gr MCHO per 1 liter of catalyst per hour.

For Part IV see Ref. Zhur-Khimiya, 1950, No 2, 4608. -- L. Yanovskaya

Card : 3/3

PPROVED FOR REL FASE: 06/23/11: CIA-RDP86-00513R000204600003-6

Country: POLAND

Category: Organic Chemistry. Organic Synthesis

Abs Jour: RZhKhim., No 17, 1959, No. 60759

100°), on the yield of alkylvilylmethylletons when condensing in the gaseous ECHO phase with acetone (I), methylethylketone (II) and methyl-n-propylketone (III). The maximum yield of methylvinylketone (39.1½) derived from the condensation of ECHO with I (molar ratio of 1:3, rate of mixture flow of 41-42 ml/hr.) is obtained with the use of silica gel containing 1½ RbOH at 280° and at a loading not > 19.7 gr
HCHO per 1 liter of catalyst per hour. The maximum yield of (1) are thylographyte.

yield of (X, -incthylvinylmethylketone (30.5%) derived from HCHO and II is obtained at 280° on the silica gel at a loading not > 25.7 gr HCHO

Card : 2/3

Country : POLAND

Category: Organic Chemistry. Organic Synthesis

Abs Jour: RZhKhim., No 17, 1959, No. 60759

Author : Malinowski, S.; Benbenek, S.; Pasynkiewicz, J.;

Wojciechowska, E.

Inst

Title : Study of the Aldol Reactions in Gaseous Phase. V.

Orig Pub: Roczn. chem., 1958, 32, No 5, 1089-1096

Abstract: Investigated are effects of temperature, nature

and dosage of catalyst (silica gel precipitated from a water solution of water glass by means of H2SO4 at pH of 8-9, or silica gel, containing 1% NCOH, KOH or RbOH, obtained by mixing of 135 gr of silica gel and 135 ml of 1% caustic solution

with the consequent drying in vacuum at approx.

Card : 1/3

POLAND/Organic Chemistry. Synthetic Organic Chemistry.

G-2

Abs Jour: Referat Zhur-Khimiya, No 4, 1958, 11251.

gms II and 50 gms of peracetic acid solution (prepared by the addition of 100 gms 28% H₂O₂ to 450 gms acetic anhydride and allowing the solution to stand for 24 hrs) are allowed to stand for 24 hrs and the oil is separated; 500 ml of the latter are steam distilled; the residue gives 2-chloro-3-(p-chlorophenyl)-propionic acid (III), yield 52%, mp 98.5-99.5°. Similarly 12.75 gms p-chloroaniline in 25 ml 30% HCl, 10 ml water, 30 gms ice, 20 ml 33% NeNO₂, 7 gms acrylonitrile in 50 ml acetone, and 2 gms CuCl₂ give the nitrile of III (IV), yield 53%, bp 162°/16 mm. 2 gms IV, 30 gms 15% HCl, and 10 gms glacial CH₃COOH are heated for 20 hrs and 200 ml of the reaction mixture are steam distilled; the residue gives III, yield 39%. For Communication IV see RZhKhim, 1955, 40111.

Card : 3/3

POLAND/Organic Chamistry. Synthetic Organic Chemistry.

G-2

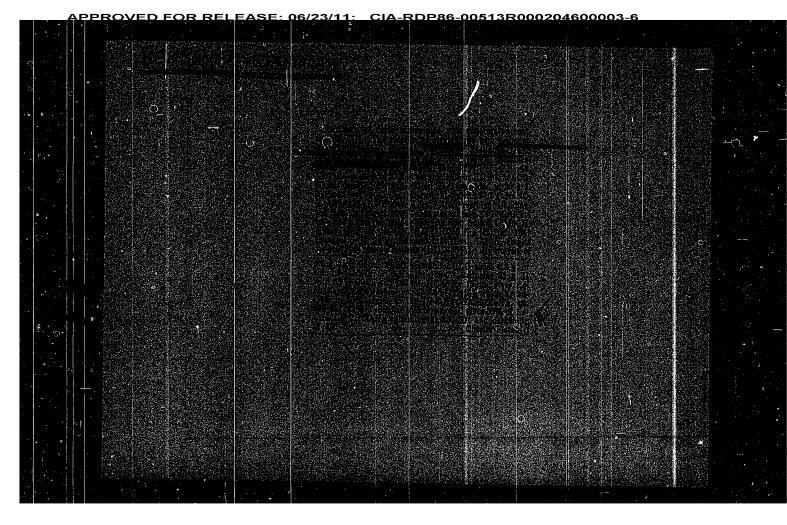
Abs Jour: Referat Zhur-Khimiya, No 4, 1958, 11251.

lished that these compounds when subjected to the action of piperidine eliminate HCl and are converted to the derivatives of cirmamic aldehyde. Peracetic acid in acetic acid solution oxidizes the above reaction products to the corresponding derivatives of 3-chloropropionic acid. Preparation: 76.5 gms p-chloroaniline in 225 gms 20% HCl with 50 gms ice are diazctized with a solution of 123 gms 33% NaNO2, 33 gms I in 150 gms acetone and 5 gms CuCl2 are added to the reaction mixture, and after 24 hrs the organic layer is dissolved in 200 gms CoHo and distilled; 3-(p-chlorophenyl)-2-chloropropionaldehyde (II) is obtained, yield 37.6%, bp 136-137°/7 mm. 4 gms II and 25 gms piperidine are heated for 20 hrs and 300 ml of the reaction mixture steam distilled; the residue gives p-chlorocinnamic aldehyde, yield 34%, mp 61-62° (from CH3OH + ether). 10.1

Card : 2/3

//

BENBENEK, S. G-2 POLAND/Organic Chemistry. Synthetic Organic Chemistry. Abs Jour: Referat Zhur-Khimiya, No 4, 1958, 11251 : Malinowski, S. and Benbenek, S. " Some Reactions of Diazonium Salts with Unsaturated Com-Author pounds. V. Reactions with α , β -unsaturated Aldehydes. Inst Title Orig Pub: Roczniki Chem, 30, No 4, 1121-1127 (1956) (in Polish with an English summary) Abstract: The condensation of diazonium chlorides with acrolein (I), methylacrolein, and ethylacrolein in water-acetone solution in the presence of HCl and CuCl2 gives derives of 2-chloro-3-phenylpropionic aldehyde, containing C1 or NO2 in the benzene ring according to the Mochanism: 3-Y-4-XC6E3N2Cl+ CH₂=CRCHO \rightarrow 3-Y-4-XC6H₃CH₂CR(C1)CHO + N₂, where X = H, C1, or N₂; Y = H, C1; R = H, CH₃, or C₂H₅. It has been estab-: 1/3 Zaklad Technol. Chem. I. Politech., Warsaw. Card



CIA-RDP86-00513R000204600003-6 DUBLICAL TEGORY 38. JOUR. | RZhBiol., No. 14 1959, No. 63166 ITHOR 137. 171.3 RIG. PUB. : : tain ash and lilac; average resistance by oak, olm and BETRACT Lind oberry. Cyantoms of the discuss coused by scokegus undertals in pine, screen, hards, times, and, models and some chrubs are lescribed. -- In the same and: 2/2

COUNTRY : Poland JATEGORY : Forestry. General ABS . JOUR. : RZhBiol., No. 14 1959, No.63166 ROHPUL : Benben, Kazimlera Folish Scientific-Research Forest Enscitute : The Harm Caused Forests by Tudustrial Smoke-Daz Materials DRIG. PUB. : Los molari, 1957, 31, %. 17, 6,7 ABBIRACT : Chservations were made by the Tolish Tolentific-Pesearch Forest Institute in the region of the Poznan phosphorus fort lizer factories. Within a radius of 3.5 km the woody vertexation is subjected to the action of 50_2 and FO3, H25C4, MM, MO2, SiF4, HF and certain others. The concentration of chesc materials considerably exceeds tolerable staniards; as a consequence, all species in the region of the factory were ruined. Desiceation gradually envelops - the entire crown and the tree dies. The veretation of the lower layers -- chrubs and grazsy plants -- also suffers extremely from the poison, greatest resistance to gas is shown by black alter, moun-CARD: 1/2

Country: POLAND

Category: Forestry Forest Cultures.

Abs Jour: RZhBiol., No 12, 1958, No 53489

Author : Benben, Kazimierz

Inst

Title : Pruning the Branches of Young Poplars

Orig Pub: Los polsim, 1997, 31, No 13, 4-6

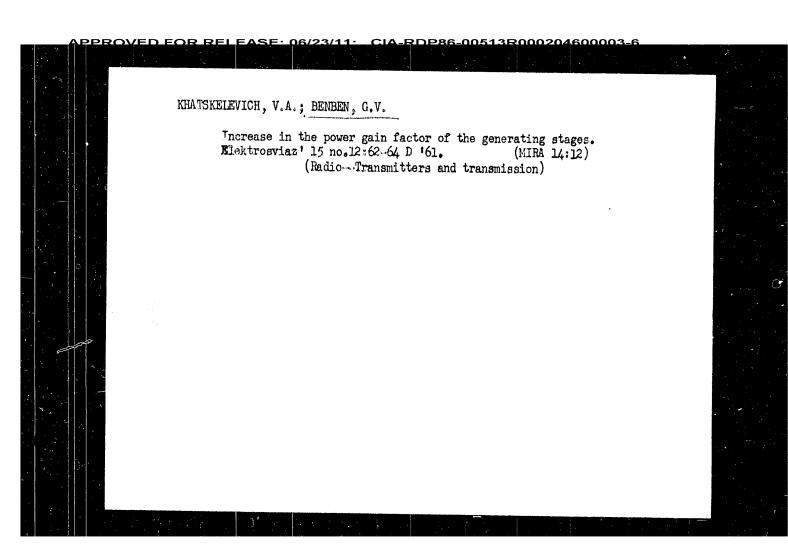
Abstract: The article gaves recommendations on the technique

and timing of gruning lateral shorts of the poplar. It notes the expediency of starting paramag when the plant is still in the nursery and continuing the practice on the permanent culture area.

K

Card : 1/1

K-34



31205

Increasing the power amplification factor ...

S/106/61/000/012/009/010 A055/A127

and the grid-bias modulation stage two 3 km-" Γ K-3000" (GK-3000) tubes. The tubes of the last and penultimate stages satisfied, according to their rated characteristics, the condition $K_{\rm p} \approx 10$. Calculation showed however the existence of a very great "power reserve" in these stages. A new penultimate stage was therefore designed, using four 750 watt-" Γ Y-80" (GU-80) tubes (operating in push-pull also). Even at a screen-grid voltage $E_{\rm g2} \approx 500$ v (instead of the rated 600 v), this new penultimate stage permitted easily the former operation of the last stage. The power of the penultimate stage in the "telephone point" being $P_{\rm T} \approx 600$ watts, the power amplification factor of the last stage was

 $K_p = \frac{P_{\sim T_1} \text{ last st}_0}{P_{\sim T_1} \text{ result ent}} \approx \frac{100 \cdot 10^3}{600} \approx 170$ (!!)

There are 3 figures and 3 Soviet-bloc references. The following names of Soviet-bloc authors or scientists are mentioned in the article: A. M. Pisarevskiy, I. E. Sirokin and E. I. Belen'kiy.

SUMMITTED: March 1, 1961

Card 3/3

31205

Increasing the power amplification factor ...

S/106/61/000/012/009/010 A055/A127

calculation, the authors refer to the method of V. A. Khatskelwich [Ref. 3: "Elektricheskiy raschet rezhimov novykh generatornykh triodov" ("Electric calculation of the operating conditions of new oscillator tubes"), Radiotekhnika, 1959, no. 3]. This method, developed for new triodes, can also be applied to other tubes, and particularly to tubes of older types; it is sufficient to change the empiric correction coefficients and to state;

 $k_{0g} \approx 0.35 \div 0.55, \quad k_{1g} \approx 0.4 \div 0.6.$ (3)

The greatest effect, as regards the increase of K_p , can be obtained with tubes having a small grid current, for instance the older types "T-433" ("G-433") and also some of the more recent types, such as "TY-4A" (GU-4A), "TY-89A" (GU-89A) etc. The experimental check of the possibility of obtaining high values of K_p was therefore carried out with such tubes. A medium-wave 7-stage AM-transmitter with grid-bias-modulation in the stage preceding the penultimate one was used in the tests (the three last stages were push-pull stages). The last stage (amplifier of modulated oscillations) contained 6 "G-433" tubes giving an oscillating power $P_{-T} \approx 100$ kw in the telephone point, and a power $P_{-max} = 4P_{-T} \approx 400$ kw in the peak point (at m = 1). The penultimate stage contained two 20 kw-"T-431" (G-431) tubes,

Card 2/3

31205

s/106/61/000/012/009/010 A055/A127

9,2510 (1003, 1020,1067)

AUTHORS:

Khatskelevich, V. A., Benben, G. V.

TITLE:

Increasing the power amplification factor of the transmitter stages

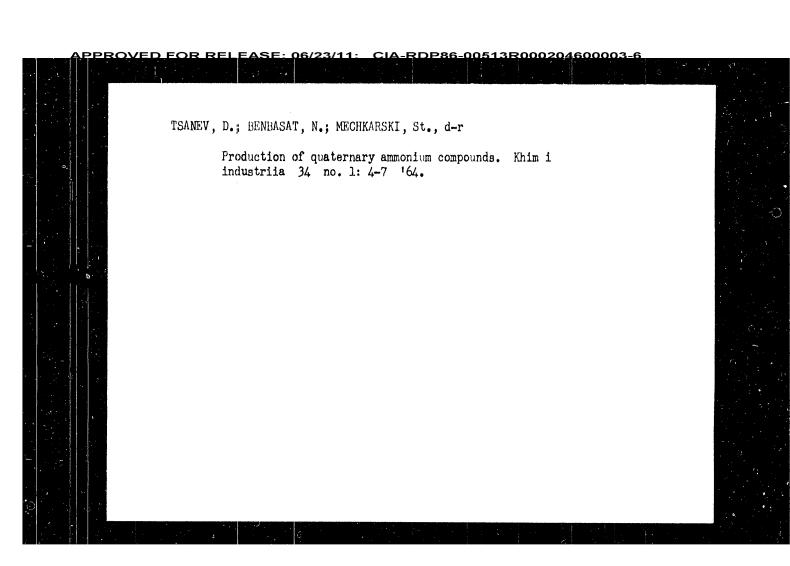
Elsktrosvyaz', no. 12, 1961, 62 - 64 PERIODICAL:

The number of h-f stages of a transmitter can be reduced by increasing as far as possible the power amplification factor of the last stages. For long and medium waves, using the common-cathode arrangement, it is still recommended to choose the power amplification factor Kp of a triode amplifier stage about equal to 10, i.e.s (1)

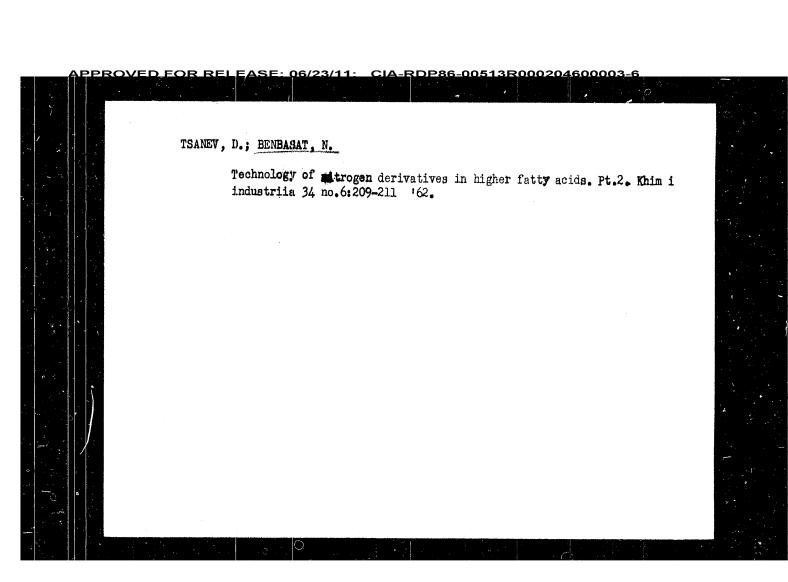
 $K_p = \frac{P_{\text{Nampl}}}{P_{\text{nexc}}} \approx 10,$

P_ampl being the oscillating power of the amplifier, and P_exc the power of its exciter. In the case of multigrid amplifier tubes, $K_p \approx 15 \div 20$ etc. However, the "concealed power" in the tubes is such that it is sometimes possible to increase considerably the amplification factor and to bring it to 100, and even more, instead of 10. Particularly important, from this point of view, is the calculation of the amplifier grid-circuit, especially in the case of new tubes. For this

Card 1/3



CIA-RDP86-00513R000204600003-6 TSANEV, D.; BENBASAT, N. Preparation and properties of synthetic wax. Godishnik Inst khim prom 2:99-106 $\,^{\circ}63_{\bullet}$ First azo coupling of the direct black 3 dye. 118-125



GERASIMOV, M.; TSANEV, D.; BENBASAT, N. Cil from grape sends and its use in the preparation of crying oils. Masl.-zhir. prom. 27 no. 2:13-16 '61. (All 14:2) 1. Namebno-issledovatel'skiy institut khimicheskoy promyohlencosti, Belgariya. (Drying oils) (Grapes)

BENBAGAT, N.; TSANEV, D.

Obtaining amides of the high fatty acids. p. 22.

TEZHKA PROMISHLENOST. (Ministerstvo na tezhkata promishlenost) Soffia, Bulgaria Vol. 8, no. 9, Sept. 1959.

Monthly List of East European Accessions (MEAL) 16, Vol. 9, No. 2, Feb. 1960 UNCL

Country : Bulgaria Octogory : Chemical Technology. Chemical Products and Pheir Applications -- Tats and oils. Suxus. Foapr and H-25 Abs. Jour. : Feferet Shur-Ahim., Ro 11, 1950, 40280 ; Gerasimov, M., Tsanev, D., and Penbasat, N. author Institut. : Not given : The Physicochemical Proporties of Grape-Vine Oil Titlo and its Applications Grig Fub. : Chramitelna fromishiemoct, 7, No. 10, 24-28 (1958) Abstract : No abstract. 00.rd: 1/1 # detergents. Flotation agents.

BULGARIA / Chemical Technology. Varnishes. Faints.

Η

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 75790.

Abstract: creased to 35 upon polymerizing at atmospheric pressure and in the presence of accelerators. The O can be successfully used for the production of oil alkyds and varnished, modified nitrocellulose varnished and also for the production of drying oils used in prime coating of wood and for the preparation of oil enamels. The drying oil from flax oil and M prepared in a ration of 80:20 has a high IN (150) and its physical chemical indices completely satisfy the standard requirements set for a natural flax drying oil.

Card 2/2

BENEASHI, N. BULGARIA / Chemical Technology. Varnishes. H Paints. Varnish-Paint Coatings. Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 75790. : Gerasimov, Tsanev, Berbasat. Author : Not given. Inst : Grape Oil as a Raw Material for the Production Title of Drying Oil and Varnishes. Orig Pub: Tezhka prom-st, 1957, 6, No 6, 37-42. Abstract: It was found that the semi-drying grape oil (0) obtained by the extraction of grape seeds possesses a high polymerization ability. After eight hours at 320°C. and a vacuum of 400-600 mm., a viscosity of 38 poise is reached, an iodine number (IN) of 72 (as compared with 122 for the initial 0), acid number (AN) of 25 (that of the initial oil, 31). The AN is in-Card 1/2

BENBASAT, N.

BUIGARIA/Chemical Technology - Chemical Products and Their Application. Industrial Synthesis of Dyestuffs I-15

Abs Jour

: Referat Zhur - Khimiya, No 4, 1957, 13185

Author Title

Benbasat Neli, Tsanev Dimit"r Concerning the Production of the Dyestuff Direct Black 3

Orig Pub

Tezhka promishlenost, 1956, 5, No 3, 24-32

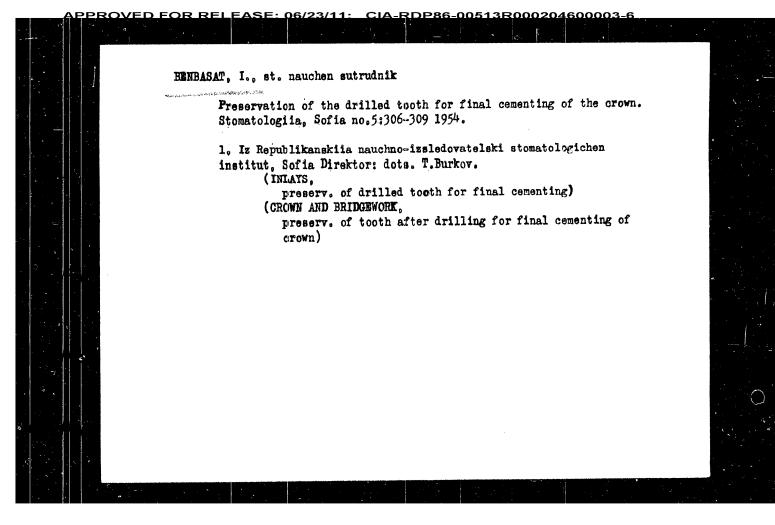
Abstract

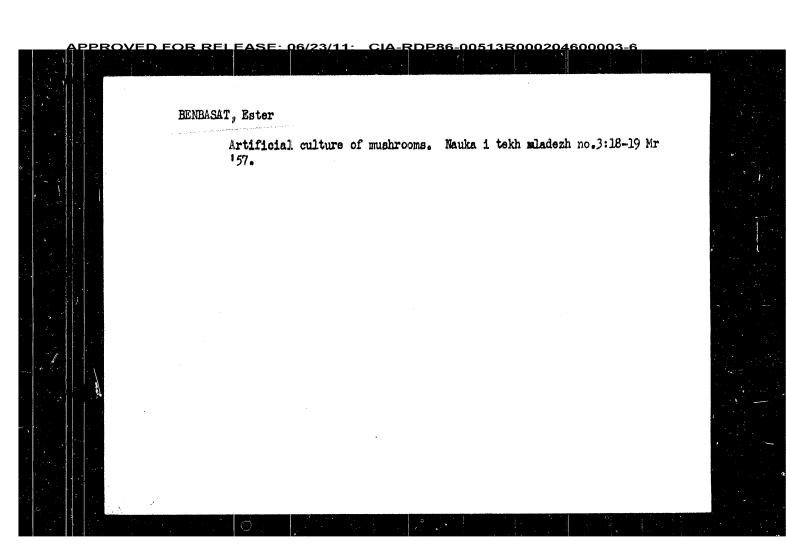
Investigation of the process of preparation of the azo dyestuff Direct Black 3, obtained by first coupling bis-diazotized benzidine with H-acid in an acid medium and then coupling the thus obtained mono-azo dye, which contains a diazo-group, with m-phenylene diamine (I). During the first coupling, at the beginning of the reaction, the pH of the medium must be maintained at 1-2, and at the end of the coupling, at ~ 5, which is effected by an addition of soda. On reduction of m-dinitroaniline to I, iron filings are used in an amount corresponding to ~ 50% excess over the theoretical.

Card 1/2

- 279 -

BENBASAT, N. Production of direct black dye No. 3. p. 24. TEZHKA PROMISHLENOST, Vol. 5, No. 3, 1956, Sofiya, Bulgaria. SO: *Bast European Accessions List, Lib. of Cong., Vol. 5, No. 10, Oct. 1956.





L h5775-66

ACC NR. AP6031951

separated into naphthene concentrates, isoalkane concentrates, and mixtures of n-alkanes and aromatic hydrocarbons. A flow sheet is given for the process. Orig. art. has: 1 figure and 4 tables. [SM]

SUB CODE: 21/07 SUBM DATE: 16Dec65/ ORIG REF: 006/ OTH REF: 004/ ATD FRESS: 5085

EWP(j)/EWT(m)/T RM/W/JW/WE L 45775-66

ACC NR: AP6031951

SOURCE CODE: UR/0251/66/043/003/0599/0606

AUTHOR: Benashvili, Ye. M.

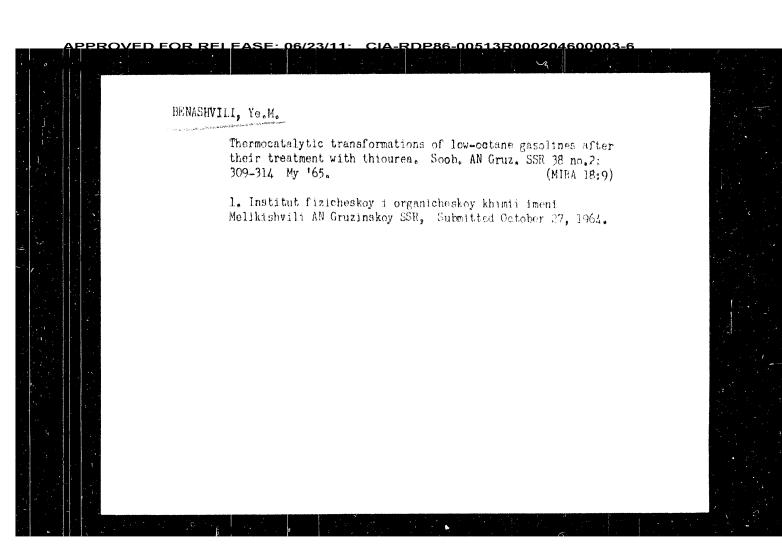
ORG: Academy of Sciences GruzSSR, Institute of Physical and Organic Chemistry im. P. G. Melikishvili (Akademii nauk GruzSSR, Institut fizicheskoy i organicheskoy khimii)

TITLE: Separation of the paraffin-cycloparaffin portion of gasoline using thiourea and molecular sieves

SOURCE: AN GruzSSR. Soobshcheniya, v. 43, no. 3, 1966, 599-606

TOPIC TAGS: jet fuel, component, naphthene, thiourea, gazoline, heat of

ABSTRACT: A process has been proposed for producing naphthene concentrates from gasoline fractions. It is noted that by virtue of their high heat of combustion" and higher density, naphthene fuel components decrease the fuel consumption for a given operational range of an aircraft. To ensure as complete as possible an extraction of naphthenes, as well as the separation of a high-percentage isoalkane concentrate, the gasoline fraction is subjected to treatment with thiourea (0.8 parts/1 part gasoline) to remove the naphthenes, then to selective adsorption on a CaA molecular sieve to remove n-alkanes, then to dearomatization by chromatographic adsorption on silica gel, and finally to a second thiourea treatment (0.5/1) to separate the remaining naphthenes from isoalkanes. By this process, different gasoline fractions were



ACCESSION NR: AP4040898

ASSOCIATION: none

SUBMITTED: 278ep63 ATD PRESS: 3049 ENCL: 00

SUB CODE: PP NO REF SOV: 007 OTHER: 000

NPPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600003-6

ACCESSION NR: AP4040898

activator; ethyl or isopropyl alcohol were also used for this purpose besides methyl alcohol. The mixture was stirred for 30 minutes at room temperature, whereupon the unreacted gasoline was separated, the sediment washed with petroleum ether, and decomposed with a double amount of water under heating and then distilled. The distillation was completed on reaching 100C. Thiourea, petroleum ether, and residual gasoline from the petroleum ether washings were recovered. The fractions separated by means of the thiourea treatment (a yield of 19.1-24.5%) contained predominantly naphthenes with significant amounts of isoparaffins and small amounts of aromatics. These fractions, called "concentrates," had a lower distillation range and a higher octane rating, i.e., in the range of 75-80, than the initial gasoline fractions, whose octane rating was in the range of 60-69. The octane rating of the concentrates could be increased to the 93-97.8 range by adding 4 ml ethyl fluid R9. After treatment the low-octane residues could be used either as a component for automotive gasoline A66, or as raw material for catalytic reforming (aromatic hydrocarbons or fuel components), or for thermocatalytic or thermal cracking for the production of C2-C4 olefine monomers. Orig. art. 4 tables. hasi

NPPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600003-6

ACCESSION NR: AP4040898

\$/0251/64/034/003/0553/0560

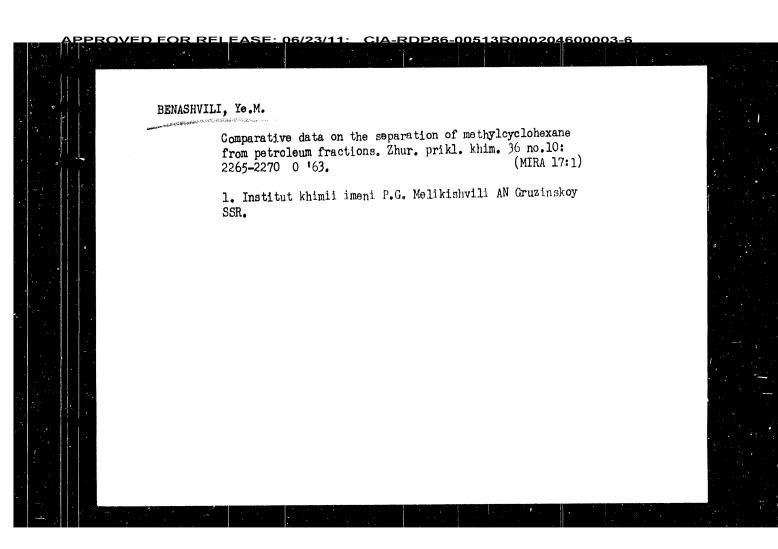
AUTHOR: Benashvili, Ye. M.

TITLE: The problem of obtaining high-octane components of automotive and aviation gasolines from low-octane straight-run gasolines

SOURCE: AN GruzSSR. Soobshcheniya, v. 34, no. 3, 1964, 553-560

TOPIC TAGS: gasoline, automotive gasoline, aviation gasoline, low octane gasoline, high octane gasoline, thiourea, thiourea treatment, thiocarbamide, naphthene, isoparaffin, fuel component, straight run gasoline

ABSTRACT: A method for the separation of high-octane gasoline fractions from low-octane straight-run gasolines by treatment with thiourea is recommended in a study recently completed at the Institute of Chemistry of the Georgian Academy of Science. The experiments were conducted on wide (150-174C) fractions of straight-run gasolines from Turkmenian, Mirzaan, Satskheni, Anastasiyevskaya, and Baku crudes. The fractions were treated with thiourea used in a ratio to gasoline of 0.8: 1. Methyl alcohol in amounts of 15-20% was used as the



Materials of the Scientific Conference (Cont.)

Areshidze, Kh. I., and Ye. M. Benashvili. The Action of Urea On Normal Alkanea As a Nethod of Separating Them From Petroleum. (Institut knimil, Akademiya nauk Gruzinskoy SSR).

A method based on the capacity of urea to react or form complexes with normal alkanes and other straight-chain hydrocarbons has been used to separate C, -C, a alkanes at 150-200 and 200-250°C, respectively. The usehod consists in 1 Jurification by chromatographic distilled water; 2) deals at 150-200 and 200-250°C, respectively. The usehod consists in 1) purification by chromatographic distilled water; 2) deals of the properties of the properties of the service of the properties of the service of the solution of urea in CR, Organization complexes from a solution of urea in CR, Organization date followed by the extraction of the hydrocarbon water followed by the extraction of the hydrocarbon aver with ether; and at 40 to 10 mm Hg residual pressure. The Mirzani and Norio Card 7/11

BENASHVILI, /2. H 46 SOV/6195 PHASE I BOOK EXPLOITATION Nauchnaya konferentsiya institutov khimii Akademiy nauk Azerbaydshanskoy, Armyanskoy i Gruzinskoy SSR. Yerevan, 1957. Materialy nauchnoy konferentsii institutov khimii Akademiy nauk Azerbaydzhanskoy, Armyanskoy i Gruzinskoy SSR (Materials of the Scientific Conference of the Chemical Institutes of the Academies of Sciences of the Azerbaydzhan, Armenian, and Coartian SSR) Yerovan, Izd-vo AN Armyanskoy SSR, 1962. 396 p. 1100 cepies printed. Sponsoring Agency: Akademiya nauk Armyanskoy SSA. Bactitut organicheskoy khim11. Resp. Ed.: L. Ye. Ter-Minasyan; Ed. of Publishing House: A. G. Slkuni; Tech. Ed.: G. S. Sarkisyan. PURPOSE: This book is intended for chemists and chemical engineers, and may be useful to graduate students engaged in chemical research. COVERAGE: The book contains the results of research in physical, inorganic, organic, and analytical chemistry, and in chemical engineering, presented at the Scientific Conference held in Yerevan, 20 through 23 November 1957. Three reports of particular interest are reviewed below. No personalities are mentioned. References accompany individual articles.

s/204/62/002/002/002/007 1060/1242

Separation of methylcyclopentane...

graphy. The results for various crudes are tabulated. The maximum content of methylcyclopentane (72.5%) in the naphthenic concentrate is obtained from the 68-72° fraction of the Mizraan crude at a total naphthenes content of 94.2% and at an output of 30% of concentrate per fraction. Maximum content (68.8% of cyclohexane) has been found in a naphthenic concentrate from the 78-84° fraction at a total naphthenes content of 97.7% and at an output of 32.7% per fraction. It is possible to obtain from these concentrates, through rectification, a fraction of methylcyclopentane containing 96.8% of methylcyclopentane and 3.2% of cyclohexane and a fraction of cyclohexane containing 98.4% of cyclohexane and 1.6% of methylcyclopentane. There are 3 tables.

ASSOCIATION:

Institut khimii im. P.G. Melkishvili AN Gruzinskoy SSR (Institute of Chemistry im. P.G. Melikishvili

AS Georgian SSR)

SUBMITTED: Oard 2/2

April 22, 1962

1,3795 S/204/62/002/002/002/007 1060/1242

AUTHOR:

Benashvili, Ye.M.

TITLE:

Separation of methylcyclopentane and cyclohexane from

petroleum fractions

PERIODICAL: Neftekhimiya, v.2, no.2, 1962, 160-163

The purpose of this work was to determine the optimum conditions for separation of methylcyclopentane from petroleum by the method of complex-formation with thiocaroamide and subsequent distillation. This method is of particular importance to the Soviet industry, as light fractions of many Soviet crudes are rich in naphthenic hydrocarbons. The hydrocarbons content of naphthenic concentrates, and the composition of obtained fractions corresponding to methylcyclopentane and cyclohexane were determined by gas-liquid chromato-

The isomerization of homologous... S/081/62/000/013/039/054

HCl. The largest amount of isomerized homologous compounds of CH, in relation to the total amount of these hydrocarbons is 49.7 %.

[Abstracter's note: Complete translation.]

s/081/62/000/013/039/054 B156/B101

//. 0/20 AUTHORS:

Areshidze, Kh. I., Benashvili, Ye. M., Kikvidze, A. V.

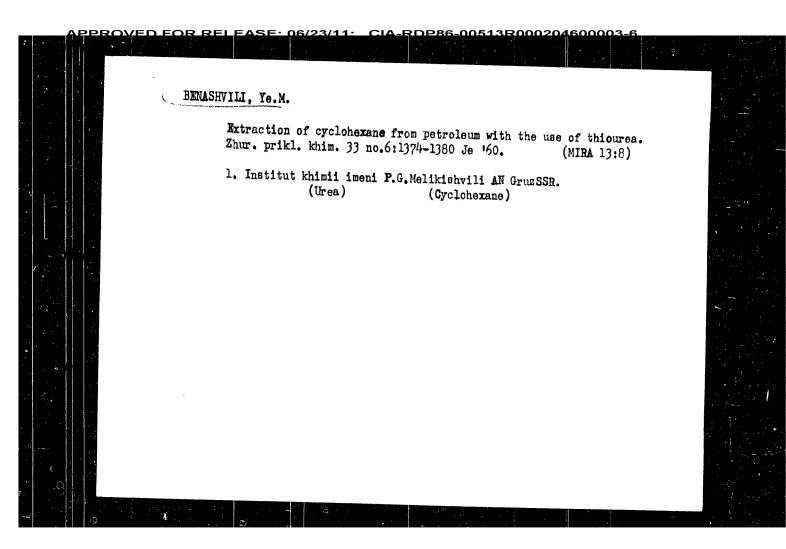
The isomerization of homologous compounds of cyclopentane included in the composition of Norio and Mirzaani gasolines, TITLE:

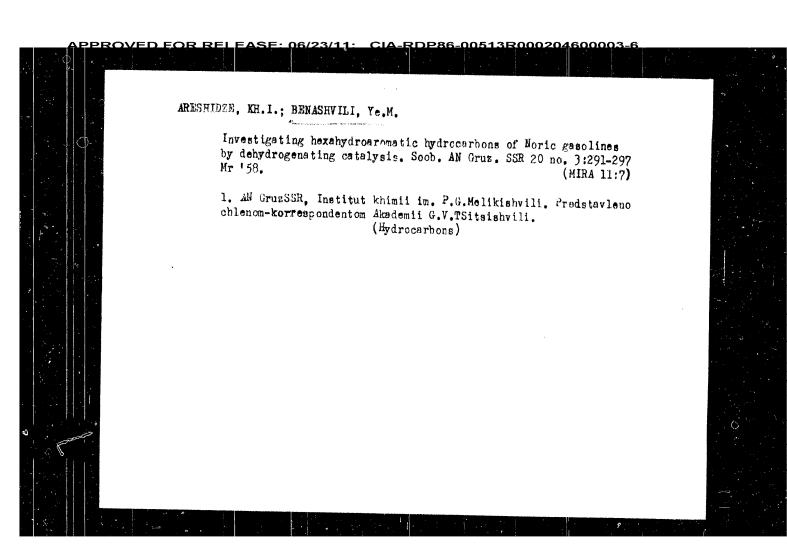
carried out in the presence of gumbrin

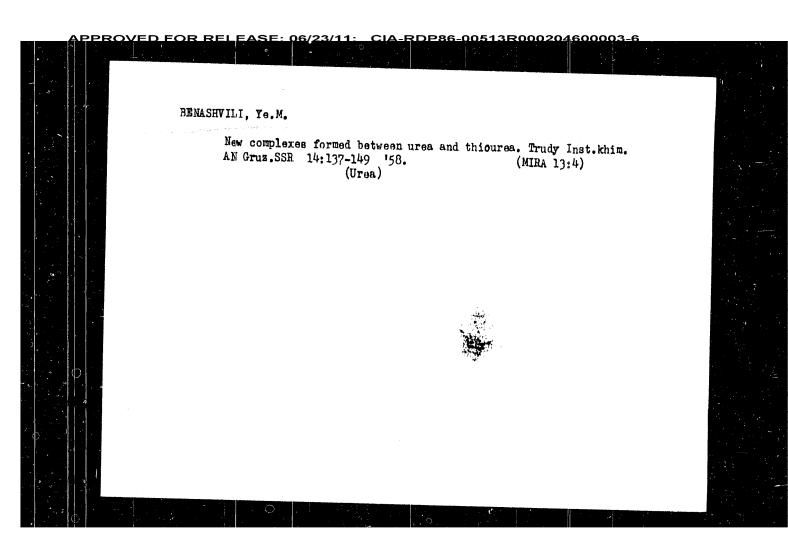
PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 13, 1962, 530, abstract 13M171 (Tr. In-ta khimii AN GruzSSR, v. 15, 1961, 189-202)

TEXT: It has been established that the cyclopentane hydrocarbons (CH) contained in the 60-150°C Norio gasoline fraction are 19.8 % isomerized into hydroaromatic hydrocarbons in the presence of gumbrin and 29.5 % isomerized into the hydroaromatic carbons when in contact with gumbrin activated with 25 % HCl. In the presence of activated gumbrin there is 40 % isomerization of the CH included in the composition of the dearomatized catalyzate from the 150-200°C Norio petroleum fraction. On investigating the isomerization of the CH included in the composition of Mirzaani petroleum (the 60-150°C fraction) into cyclohexane hydrocarbons it was found that the maximum isomerization effect occurs in the presence of gumbrin activated by 30 %







BENASHVILI, Ye.M.
USSR/Chemical Technology - Chemical Products and Their

Application. Treatment of Natural Gases and Petroleum.

Motor and Jet Fuels. Lubricants.

Abs Jour

: Ref Zhur - Khimiya, No 1, 1958, 2568

Author

Benashvili, Ye.M.

Inst

Institute of Chemistry, Academy of Sciences Georgian SSR

Title

: Action of Urea and Thiourea on Gasoline of Mirzaanskaya

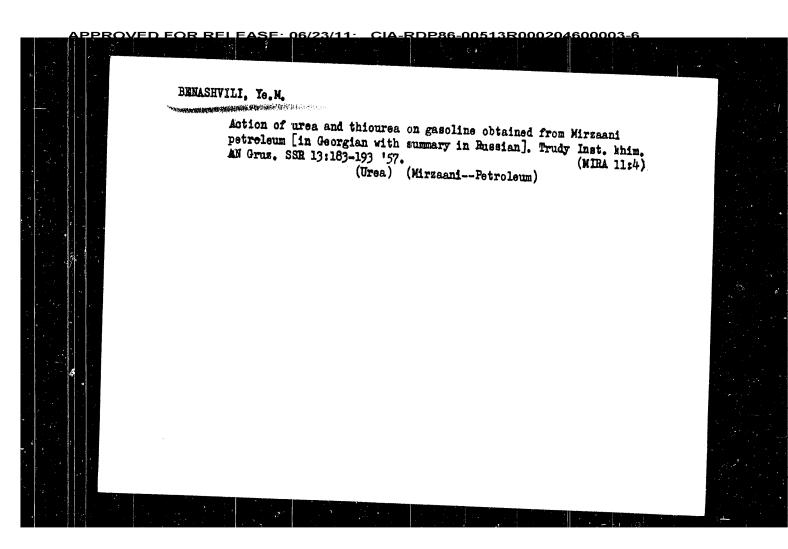
Petroleum.

Orig Pub

: Tr. In-ta khimii AN GruzSSR, 1957, 13, 188-193

Abstract

: An investigation of the paraffinic hydrocarbons of Mirzaanskaya petroleum gasoline with the use of urea and thiourea. Isotation of the n-paraffins from fractions boiling up to 1500 is not feasible with urea since the complex that is formed with urea dissociates at room temperature. By the use of urea n-paraffin hydrocarbons of



LRTHUOS Rumania H-23 CATEGORY 1959, No. : RZKhim., No. 21 ABS. JOUR. 76103 :Areshivze, Kh. I. and Benashvili, Ye. M. ROFTUA : Lasi Polytechnic Institute INST. TITLE The Quantitative Determination of 5- and 6-membered Cyclanes in Gasoline-Ligroin Fractions from Nori Crude ORIG. PUB. Bul Inst Politchn Iasi, 3, No 3-4, 103-108 (1957) ABSTRACT The method of selective dehydrogenation catalysis of N. D. Zelinskiy has been applied to the quantitative determination of the content of 5- and 6membered cyclanes in gasoline-ligroin fractions from Nori crude. The latter is characterized by a low content of aromatics and a high content of paraffins. It has been found that the amount of 5-membered cyclanes found increases with increasing bp of the fractions (60-95°, 95-122°, 122-150°, 150-200°). The content of hydroaromatic hydro-CARD: 1/2 256

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600003-6

USSR /Chemical Technology. Chemical Products and Their Application

I-16

Treatment of natural gases and petroleum. Motor fuels. Lubricants.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31900

ual n-paraffin hydrocarbons were found to be concentrated in the fractions having the boiling points of 215-216°, 234-235°, 253-254° and 269-270°. From the investigated fraction of Noriyskaya petroleum were isolated the following n-paraffin hydrocarbons: dodecane, tridecane, tetradecane, pentadecane, identified by their physical properties and by the method of infrared spectroscopy.

Card 3/3

PPROVED FOR RELEASE: 06/23/11:__CIA-RDP86-00513R000204600003-6

USSR Chemical Technology. Chemical Products and Their Application

1-16

Treatment of natural gases and petroleum. Motor fuels. Lubricants.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31900

The fraction was washed with 70% $\rm H_2SO_4$, 10% solution of soda, and with distilled water, to remove the non-hydrocarbon components. Dearomatization of the fraction was effected with $\rm H_2SO_4$ sp. gr. 1.84. Thereafter the normal paraffinic hydrocarbons were isolated with urea, the amount of which was taken on the basis of the mean molecular weight of the fraction. The thus separated n-paraffin hydrocarbons were extracted with ethyl ether, after the removal of which the mixture of n-paraffins was fractionated in a column having the effectiveness of 45 theoretical plates at a residual pressure of 10 mm Hg. The individ-

Card 2/3

Banasholly, Ye. M.

USSR Chemical Technology. Chemical Products and Their Application

I-16

Treatment of natural gases and petroleum. Motor fuels. Lubricants.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31900

Author : Areshidze Kh. I., Benashvili Ye. M.

Inst : Academy of Sciences USSR

Title: Investigation of N-Paraffin Hydrocarbons of the

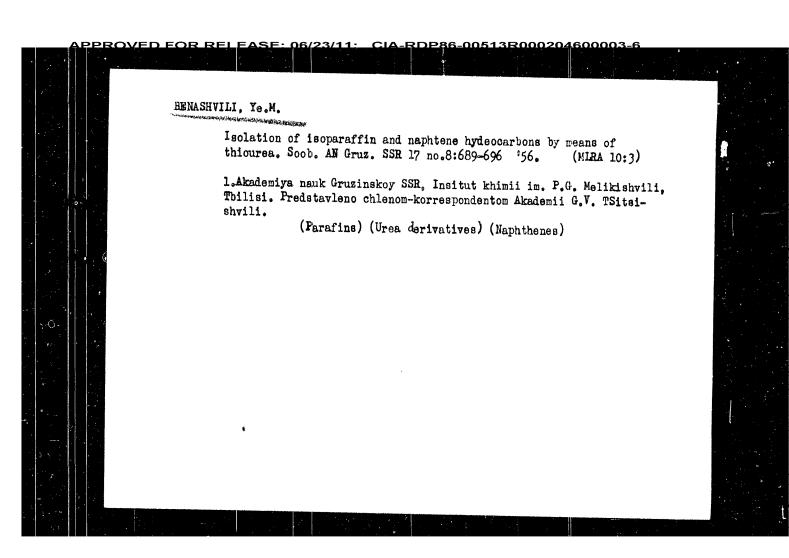
200-250° Fraction of Noriyskaya Petroleum by

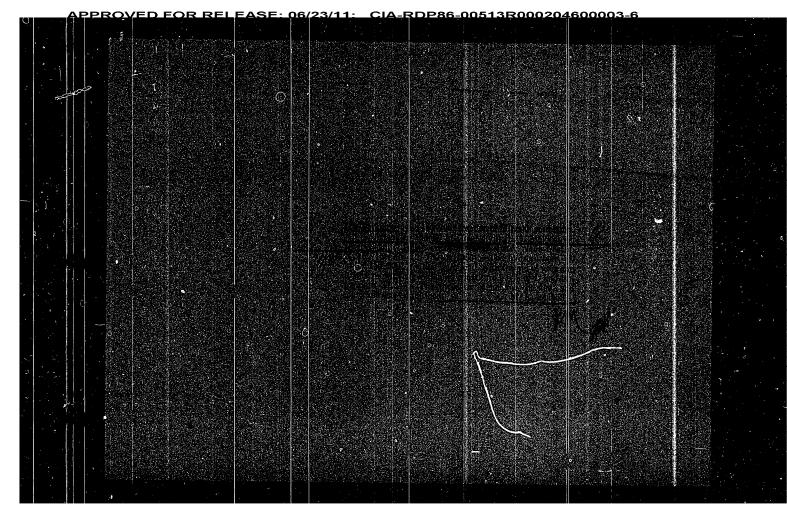
Means of Urea

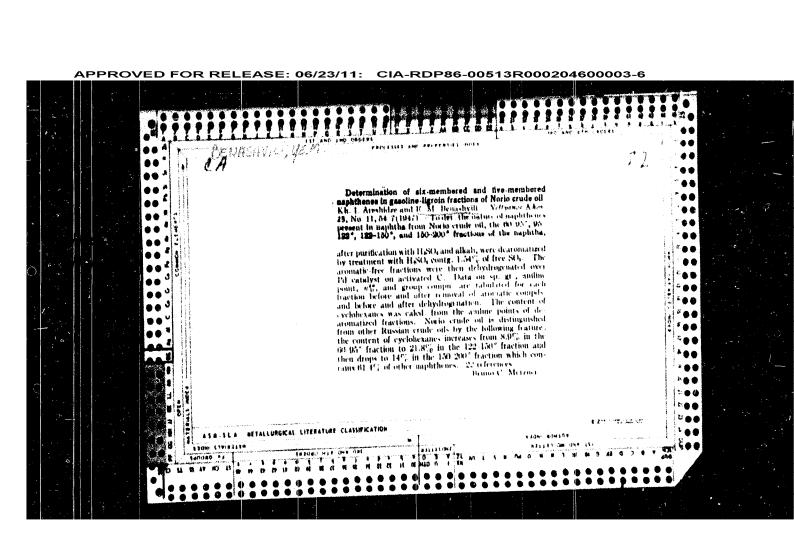
Orig Pub: Dokl. AN SSSR, 1956, 110, No 3, 387-389

Abstract: An investigation was made of the 200-250° frac-

tion of Noriyskaya petroleum, isolated by fractionation at a residual pressure of 200 mm Hg.







ACC NR AR6000665

method of solution are examined. In the event that methods of mathematical programming are employed, the problem is solved by means of coordinate-wise descent in k-dimensional space where k = m·C₂₄² = m·276; C₂₄² is the number of the combinations of 24 elements with respect to 2; m is the number of the HPS. The sequence of the performed calculations is expounded in detail and a graphic solution of the problem is presented. It is pointed out that the advantages of the method include cyclicity, low connectedness of the algorithm and convenience of imposition of additional constraints. Bibliography of 4 titles. B. G. [Translation of abstract]

SUB CODE: 10, 09

PPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600003-6

ACC NR: AR6000665

SOURCE CODE: UR/0372/65/000/008/G024/G024

AUTHOR: Benashvili, M. A.

TITLE: Solution of the problem of the optimal distribution of loads in a combined thermohydroelectric power system by methods of mathematical programming

SOURCE: Ref. zh. Kibernetika, Abs. 8G170

REF SOURCE: Tr. Gruz. politekhn. in-t, no. 1(99), 1966, 83-94

TOPIC TAGS: power system, hydroelectric power plant, thermoelectric power plant, dynamic programming, fuel consumption

ABSTRACT: The problem of the daily load-graph regulation of a power system consisting of n thermoelectric power stations (TPS) and m hydroelectric power stations (HPS) is considered. The cycle is separated into 24 time intervals of the duration t=1 hr each. The optimal regime is that which satisfies all the constraints of the problem and reduces to a minimum the total expenditures on the fuel burned at the TPS. In the general case the solution of the problem reduces to the minimization of an objective function of the type $a_1B_1 + a_2B_2 + \ldots + a_nB_n = \sum_{i=1}^{n} a_iB_i$ in the presence of various constraints. The principal features of the variational

Card 1/2

UDC: 62-506:65.011.56:621

ENNASHVIII, I. A.

21491 ENNASHVIII, I. A.

Metody rasheta insolvatsionnogo pritoka trila na poveršinost' nozva.
Tridy Cos. Ckeanogr. in-ta, Vyr. 11, 1979, s. 13 - 36.

Bibliogr: 26, NAZV.

SC: Letopis' Ehurnal'nykh Statey, No. 79, Nosbva, 1979

EEMASEVIII, I. A.

21A92 FEMASEVIII, I. A.

Effektivnoye izlucheniye a poverkhnosti merna.

Trudy Osa. Okeanorr. in-ta, Vyn. 11, 192°, s. 3 - 18.

Hibliogr: 32, NAZV.

SC: Letopis' Ehurnel'nykh Statey, No. 79, Moskva, 1949

1. BENASHVILI, I. A.

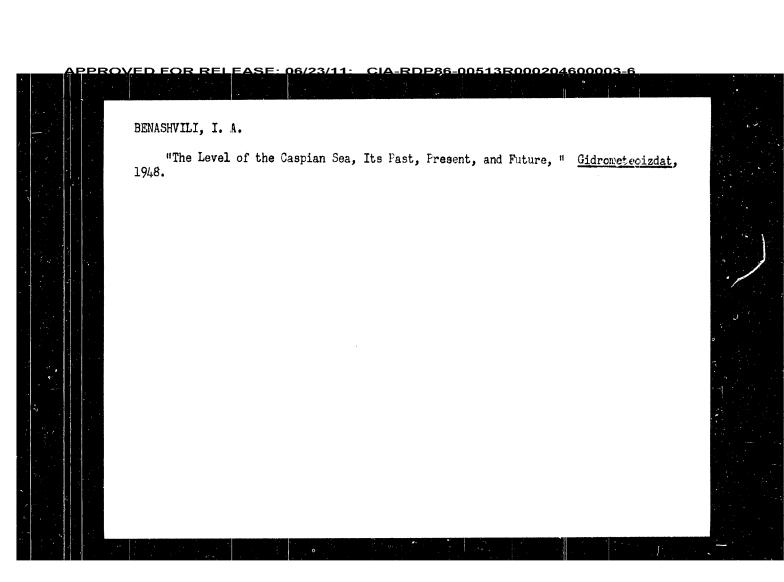
2. USSR (600)

"The Annual Fluctuations of Temperature on the Surface of the Northern Fart of the Facific Geean in Connection With Its Energy Palance."

Trudy GGIN, Issue 8, 1948 (86-97).

9. Meteorologiya i Gidrologiya, No. 3, 1949.

Report U-2551, 30 Oct 52.



BENASHVILI, I. A. "Basic Positions in Regard to Procedure and Long-range Forecasting of Ice Formation in the Sea of Japan," Works of Sci-Res Institution of the Administration of the Hydrometeorological Service USSR, Series V, No 12, 1946 (7-22).

(Meteorologiya i Gidrologiya, No 6 Nov/Dec 1947) SO: U-3218, 3 Apr 1953